TE-1000 Hi-Vol PAH Air Sample Data Form

Sample Information

Full Site Name: XACT NIPSCO

Site Abbreviation FBA-XAC Deployment No. 18

Field Deployment and Recovery

Field *Deployment* Technician Name Scott Keller

Setup Date/Time 7/19/21 12:55 **Sample Run Date** 7/19/21

Magnehelic Gauge Setpoint ~~46.03~~ 7/19/21

$$Magnehelic\ Gauge\ Setpoint = \left(\frac{P_{amb}}{T_{amb}} * \frac{T_{std}}{P_{std}}\right) * \left[\left(m_{hivol} * 0.225\frac{m^3}{min}\right) + b_{hivol}\right]^2$$

P_{amb} = Expected atmospheric pressure, mmHg
T_{amb} = Expected atmospheric temperature, K
m_{hivol} = Slope from Hi-Vol Calibration Worksheet
T_{Std} = Standard Temperature, 298 K
P_{Std} = Standard Pressure, 760 mmHg
b_{hivol} = Intercept from Hi-Vol Calibration Worksheet

Field *Recovery* Technician Name Scott Keller

Recovery Date/Time 7/19/21 13:10

	Elapsed Time
Initial	
Final	
Total Collection Time (hours)	

	Magnehelic Gauge Reading
Initial	
Final	
Average Reading	

Sample Status: **VALID** **VOID** **(circle one)** **VOID Reason:** _____

Site Observations

Run Day Temperatures: High 79 Low 63 Source: Weather Channel

Run Day Precipitation: ~~Light Rain~~ 0 JK 7/21/21

Run Day Wind/Wind Direction: ~~NNE 7 mph~~ N 3 mph

Run Day Sky Cover: ~~Partly Cloudy~~ Mostly Sunny

Unusual Events? (fires, major storms, construction, etc.): _____

Maintenance

Check all that apply.

Weekly Checks:
- ☐ Power cords/plugs ok?
- ☐ Gaskets ok?
- ☐ Shelter ok?
- ☐ Tubing ok?
- ☐ Timer ok?
- ☐ Debris removed?

Monthly Checks: *(after 5th sample run of the month)*
- ☐ Sampling head cleaned with Kim wipes?
- ☐ Pictures of site logbook taken?
- ☐ Completed TE-1000 One-Point Flow Check Form?
- ☐ One-point flow verification within **±10%** of $Q_{Magnehelic}$ $(0.225\frac{m^3}{min})$?

Maintenance Notes: